

Appl. No. 10/673,655
 Amdt. Dated September 8, 2005
 Reply to Office Action of July 14, 2005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Claim 1 (currently amended) A fitting removal tool for retracting the locking collar of an open ended hydraulic/pneumatic fitting comprising:

~~a seat structured and arranged to seat against the open end of the fitting;~~
~~a housing structured and arranged to house the seat;~~
~~an adjustable actuator structured and arranged to laterally actuating the seat within the housing;~~
~~a swivel structured and arranged to maintaining the seat in a given orientation; and~~
~~an attacher integral to the housing, the attacher structured and arranged to attach the housing to the locking collar of the fitting.~~
a housing having a base, an attacher shaped to attach to the locking collar of the fitting, and an internal channel extending between the base and the attacher;
a swivel seat in the internal channel of the housing shaped to engage the open end of the fitting; and
an actuator extending through the base and into the internal channel of the housing and connected to the swivel seat to move the swivel seat towards the attacher when actuated in a first direction and move the swivel seat towards the base when actuated in a second direction, the swivel seat maintaining a substantially constant orientation during said actuation.

Claim 2 (currently amended) A fitting removal tool for retracting the locking collar of an open ended hydraulic/pneumatic fitting comprising:

a housing having an internal channel partially along a longitudinal axis and an attacher at an end thereof shaped to attach the housing to the locking collar of the fitting, the attacher comprising a groove on an inner surface of the housing;

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a swivel seat disposed within the internal channel configured to engage the open end of the fitting; and

an adjustable actuator ~~coupled~~ connected to the swivel seat ~~and configured to laterally actuate to move the swivel seat within the internal channel; and towards the end of the housing when actuated in a first direction and away from the end of the housing when actuated in a second direction.~~

Claim 3 (original) The fitting removal tool of claim2, wherein the attacher is not radially expandable.

Claim 4 (original) The fitting removal tool of claim2, wherein the attacher is slip-fit onto the locking collar of the fitting.

Claim 5 (original) The fitting removal tool of claim2, wherein the fitting removal tool is sized and shaped to permit one-handed operation.

Claim 6 (original) The fitting removal tool of claim2, wherein the housing is further characterized as a right cylindrical housing having a first end and a second end.

Claim 7 (original) The fitting removal tool of claim 6, wherein the attacher is further characterized by an internal pocket, proximate to the second end and transverse to the longitudinal axis and an aperture in the second end providing access to the pocket.

Claims 8-11 (cancelled)

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Claim 12 (currently amended) A fitting removal tool for retracting the locking collar of an open ended hydraulic/pneumatic fitting comprising:

a right cylindrical housing having a first end, a second end, a longitudinal axis therebetween, and further characterized by:

a base in the first end;

an internal pocket, proximate to the second end and transverse to the longitudinal axis;

an aperture in the second end, concentric to the longitudinal axis;

an internal channel, concentric to the longitudinal axis and extending from the pocket towards the first end; and

an adjustable actuator extending through the base and passing into the internal channel; and

a swivel seat ~~coupled~~ connected to the adjustable actuator and disposed within the internal channel such that when the adjustable actuator is actuated in a first direction, the swivel seat moves towards the second end of the housing and when the adjustable actuator is actuated in the second direction, the swivel seat moves away from the second end housing.

Claim 13 (original) The fitting removal tool of claim 12, wherein the adjustable actuator is a threaded rod passing through a mated threaded hole in the base.

Claim 14 (original) The fitting removal tool of claim 13, further comprising a grip mounted to the threaded rod opposite from the swivel seat.

Claim 15 (original) The fitting removal tool of claim 14, wherein the grip further provides a socket for removable attachment of a lever.

Claim 16 (original) The fitting removal tool of claim 15, wherein the lever is a ratchet driver.

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Claim 17 (original) The fitting removal tool of claim 12, wherein the aperture opens to the pocket.

Claim 18 (original) The fitting removal tool of claim 12, wherein the pocket is circumferential.

Claim 19 (original) The fitting removal tool of claim 12, further comprising an opening in the housing extending from the housing second end to at least partially beyond the pocket, wherein the opening exposes a portion of the pocket and the aperture.

Claim 20 (original) The fitting removal tool of claim 19, wherein the opening extends to about halfway to the housing first end.

Claim 21 (original) The fitting removal tool of claim 19, wherein the exposed portion of the pocket and aperture are structured and arranged to slip-fit onto the locking collar of the fitting.

Claim 22 (original) The fitting removal tool of claim 12, wherein the swivel seat is structured and arranged to seat against an aperture.

Claim 23 (original) The fitting removal tool of claim 22, wherein the aperture is the open end of the fitting.

Claim 24 (original) The fitting removal tool of claim 23, wherein the swivel seat further has a pilot with an outside diameter sized to about substantially the same as the inside diameter of the open end of the fitting, the pilot thereby snugly fitting within the open end.

Claim 25 (original) The fitting removal tool of claim 24, wherein the pilot is conically tapered to assist with aligning the pilot to the open end of the fitting.

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Claim 26 (original) The fitting removal tool of claim 23, wherein the swivel seat maintains a constant orientation relative to the engaged open end of the fitting as the adjustable actuator is actuated.

Claim 27 (original) The fitting removal tool of claim 12, wherein the internal channel is substantially about two-thirds of the length of the housing.

Claim 28 (original) The fitting removal tool of claim 12, wherein the fitting removal tool is sized and shaped to permit one-handed operation.

Claims 29-33 (cancelled)